

ABSTRACT

The invention relates to a device detecting a demodulated signal received by a spread spectrum receiver and converted into digital samples. The device is characterized by comprising a matched filter for calculating the correlation
5 between an incoming signal and at least one reference signal; an oscillator for generating a sampling frequency; a sampling circuit for re-sampling said demodulated digital sample signal at said sampling frequency, which is such that the timing of samples of the reference signals of the matched filter corresponds to the timing of a sample signal going from the sampling circuit to the
10 matched filter; and a multiplier in which the sample signal is multiplied by a carrier replica generated locally before the sampling circuit or thereafter, to remove the carrier from the sample signal.

(Figure 4)